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## RAW SEQUENCE LISTING

DATE: 09/14/2001

PATENT APPLICATION: US/09/310,844B

TIME: 11:44:18

Input Set : A:\PTO\_VSK.txt

Output Set: N:\CRF3\09142001\I310844B.raw

#20/R.T.

11-15-01

ENTERED RAW SEQ  
History

p. 5

3 <110> APPLICANT: Ecker, David J.  
 4 Griffey, Richard  
 5 Crooke, Stanley T.  
 6 Sampath, Ranga  
 7 Swayze, Eric  
 8 Mohan, Venkatraman  
 9 Hofstadler, Steven  
 10 McNeil, John  
 12 <120> TITLE OF INVENTION: Molecular Interaction Sites Of Interleukin-2 RNA And Methods  
 Of  
 13 Modulating The Same  
 15 <130> FILE REFERENCE: IBIS0171  
 17 <140> CURRENT APPLICATION NUMBER: 09/310,844B  
 C--> 18 <141> CURRENT FILING DATE: 2001-08-28  
 20 <160> NUMBER OF SEQ ID NOS: 416  
 22 <170> SOFTWARE: PatentIn version 3.1  
 24 <210> SEQ ID NO: 1  
 25 <211> LENGTH: 24  
 26 <212> TYPE: RNA  
 27 <213> ORGANISM: Artificial Sequence  
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 30 <223> OTHER INFORMATION: Novel Sequence ✓  
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 35 <223> OTHER INFORMATION: N is any nucleotide  
 38 <220> FEATURE:  
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 41 <223> OTHER INFORMATION: N is any nucleotide  
 44 <220> FEATURE:  
 45 <221> NAME/KEY: misc\_feature  
 46 <222> LOCATION: (14)..(15)  
 47 <223> OTHER INFORMATION: N is any nucleotide  
 50 <220> FEATURE:  
 51 <221> NAME/KEY: misc\_feature  
 52 <222> LOCATION: (17)..(24)  
 53 <223> OTHER INFORMATION: N is any nucleotide  
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 W--> 57 nnnnnnnnnnn nnnnnnnnnn nnnn ✓  
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 62 <212> TYPE: RNA  
 63 <213> ORGANISM: Artificial Sequence  
 65 <220> FEATURE:  
 66 <223> OTHER INFORMATION: Novel Sequence ✓  
 68 <400> SEQUENCE: 2  
 69 uuuacaacau aaucuaguuu acagaaaaau c

24

31

RAW SEQUENCE LISTING  
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 73 <211> LENGTH: 48  
 74 <212> TYPE: RNA  
 75 <213> ORGANISM: Artificial Sequence  
 77 <220> FEATURE:  
 78 <223> OTHER INFORMATION: Novel Sequence ✓  
 80 <220> FEATURE:  
 81 <221> NAME/KEY: misc\_feature  
 82 <222> LOCATION: (1)..(4)  
 83 <223> OTHER INFORMATION: N is any nucleotide  
 86 <220> FEATURE:  
 87 <221> NAME/KEY: misc\_feature  
 88 <222> LOCATION: (6)..(6)  
 89 <223> OTHER INFORMATION: N is any nucleotide  
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 93 <221> NAME/KEY: misc\_feature  
 94 <222> LOCATION: (12)..(14)  
 95 <223> OTHER INFORMATION: N is any nucleotide  
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 99 <221> NAME/KEY: misc\_feature  
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 101 <223> OTHER INFORMATION: N is any nucleotide  
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 105 <221> NAME/KEY: misc\_feature  
 106 <222> LOCATION: (24)..(24)  
 107 <223> OTHER INFORMATION: N is any nucleotide  
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 112 <222> LOCATION: (44)..(45)  
 113 <223> OTHER INFORMATION: N is any nucleotide  
 116 <220> FEATURE:  
 117 <221> NAME/KEY: misc\_feature  
 118 <222> LOCATION: (48)..(48)  
 119 <223> OTHER INFORMATION: N is any nucleotide  
 122 <400> SEQUENCE: 3 ✓✓✓

W--> 123 nnnnanaugg gnnnucacan nuanucugugu uccuauggaa acunhuun ✓✓✓

48

126 <210> SEQ ID NO: 4  
 127 <211> LENGTH: 45  
 128 <212> TYPE: RNA  
 129 <213> ORGANISM: Artificial Sequence  
 131 <220> FEATURE:  
 132 <223> OTHER INFORMATION: Novel Sequence ✓  
 134 <400> SEQUENCE: 4  
 135 uaggauaugg gucacacuua ucuguguucc uauggaaacu auuug  
 138 <210> SEQ ID NO: 5  
 139 <211> LENGTH: 44  
 140 <212> TYPE: RNA  
 141 <213> ORGANISM: Artificial Sequence  
 143 <220> FEATURE:

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144 <223> OTHER INFORMATION: Novel Sequence
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147 uaggagaugg gggucacacu uacuguguuc cuauggaaac uuug 44
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151 <211> LENGTH: 45
152 <212> TYPE: RNA
153 <213> ORGANISM: Artificial Sequence
155 <220> FEATURE:
156 <223> OTHER INFORMATION: Novel Sequence ✓
158 <400> SEQUENCE: 6
159 uaggagaugg ggggucacac uuacuguguu ccuaugaaac uuug 45
162 <210> SEQ ID NO: 7
163 <211> LENGTH: 30
164 <212> TYPE: RNA
165 <213> ORGANISM: Artificial Sequence
167 <220> FEATURE:
168 <223> OTHER INFORMATION: Novel Sequence ✓
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177 <221> NAME/KEY: misc_feature
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179 <223> OTHER INFORMATION: N is any nucleotide
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185 <223> OTHER INFORMATION: N is any nucleotide
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W--> 189 augggnnnuc acannuancu guguccuau 30
192 <210> SEQ ID NO: 8
193 <211> LENGTH: 27
194 <212> TYPE: RNA
195 <213> ORGANISM: Artificial Sequence
197 <220> FEATURE:
198 <223> OTHER INFORMATION: Novel Sequence ✓
200 <400> SEQUENCE: 8
201 augggucaca cuuauugug uuccuau 27
204 <210> SEQ ID NO: 9
205 <211> LENGTH: 28
206 <212> TYPE: RNA
207 <213> ORGANISM: Artificial Sequence
209 <220> FEATURE:
210 <223> OTHER INFORMATION: Novel Sequence ✓
212 <400> SEQUENCE: 9
213 auggggguca cacuuacugu guuccuau 28
216 <210> SEQ ID NO: 10
217 <211> LENGTH: 29

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```

218 <212> TYPE: RNA
219 <213> ORGANISM: Artificial Sequence
221 <220> FEATURE:
222 <223> OTHER INFORMATION: Novel Sequence ✓
224 <400> SEQUENCE: 10
225 auggggggguc acacuuacug uguuccuau 29
228 <210> SEQ ID NO: 11
229 <211> LENGTH: 17
230 <212> TYPE: RNA
231 <213> ORGANISM: Artificial Sequence
233 <220> FEATURE:
234 <223> OTHER INFORMATION: Novel Sequence ✓
236 <220> FEATURE:
237 <221> NAME/KEY: misc_feature
238 <222> LOCATION: (5)..(6)
239 <223> OTHER INFORMATION: N is any nucleotide
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243 <221> NAME/KEY: misc_feature
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245 <223> OTHER INFORMATION: N is any nucleotide
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W--> 249 caagnnuuun uagcuug 17
252 <210> SEQ ID NO: 12
253 <211> LENGTH: 18
254 <212> TYPE: RNA
255 <213> ORGANISM: Artificial Sequence
257 <220> FEATURE:
258 <223> OTHER INFORMATION: Novel Sequence
260 <400> SEQUENCE: 12
261 caagcauuug uagcuugu 18
264 <210> SEQ ID NO: 13
265 <211> LENGTH: 18
266 <212> TYPE: RNA
267 <213> ORGANISM: Artificial Sequence
269 <220> FEATURE:
270 <223> OTHER INFORMATION: Novel Sequence
272 <400> SEQUENCE: 13
273 caagcguuug uagcuugu 18
276 <210> SEQ ID NO: 14
277 <211> LENGTH: 18
278 <212> TYPE: RNA
279 <213> ORGANISM: Artificial Sequence ✓
281 <220> FEATURE:
282 <223> OTHER INFORMATION: Novel Sequence ✓
284 <400> SEQUENCE: 14
285 caagcauuua uagcuugu 18
288 <210> SEQ ID NO: 15
289 <211> LENGTH: 18
290 <212> TYPE: RNA

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## RAW SEQUENCE LISTING

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TIME: 11:44:18

Input Set : A:\PTO\_VSK.txt

Output Set: N:\CRF3\09142001\I310844B.raw

291 <213> ORGANISM: Artificial Sequence  
 293 <220> FEATURE:  
 294 <223> OTHER INFORMATION: Novel Sequence  
 296 <400> SEQUENCE: 15  
 297 caagcauuug uagcuugu  
 300 <210> SEQ ID NO: 16  
 301 <211> LENGTH: 62  
 302 <212> TYPE: RNA  
 303 <213> ORGANISM: Artificial Sequence ✓  
 305 <220> FEATURE:  
 306 <223> OTHER INFORMATION: Novel Sequence ✓  
 308 <220> FEATURE:  
 309 <221> NAME/KEY: misc\_feature  
 310 <222> LOCATION: (21)..(21)  
 311 <223> OTHER INFORMATION: N is any nucleotide  
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 315 <221> NAME/KEY: misc\_feature  
 316 <222> LOCATION: (34)..(34)  
 317 <223> OTHER INFORMATION: N is any nucleotide  
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 322 <222> LOCATION: (37)..(38)  
 323 <223> OTHER INFORMATION: N is any nucleotide  
 326 <220> FEATURE:  
 327 <221> NAME/KEY: misc\_feature  
 328 <222> LOCATION: (41)..(42)  
 329 <223> OTHER INFORMATION: N is any nucleotide  
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 333 <221> NAME/KEY: misc\_feature  
 334 <222> LOCATION: (44)..(44)  
 335 <223> OTHER INFORMATION: N is any nucleotide  
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 340 <222> LOCATION: (46)..(46)  
 341 <223> OTHER INFORMATION: N is any nucleotide  
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 346 <222> LOCATION: (48)..(50)  
 347 <223> OTHER INFORMATION: N is any nucleotide  
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 351 <221> NAME/KEY: misc\_feature  
 352 <222> LOCATION: (54)..(54)  
 353 <223> OTHER INFORMATION: N is any nucleotide  
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 357 <221> NAME/KEY: misc\_feature  
 358 <222> LOCATION: (57)..(57)  
 359 <223> OTHER INFORMATION: N is any nucleotide  
 362 <220> FEATURE:  
 363 <221> NAME/KEY: misc\_feature

18

Use of n and / or Xaa has been detected in the  
 Sequence Listing. Review the Sequence Listing  
 to ensure a corresponding explanation is present  
 in the <220> to <223> fields of each sequence  
 using n or Xaa.

## VERIFICATION SUMMARY

DATE: 09/14/2001

PATENT APPLICATION: US/09/310,844B

TIME: 11:44:19

Input Set : A:\PTO\_VSK.txt

Output Set: N:\CRF3\09142001\I310844B.raw

L:18 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:57 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1  
L:123 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3  
L:189 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7  
L:249 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11  
L:369 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16  
L:439 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18  
L:517 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20  
L:595 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23  
L:649 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26  
L:715 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31  
L:1023 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52  
L:1401 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:80  
L:1863 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:114  
L:2211 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:141  
L:2413 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:155  
L:2415 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:155  
L:2539 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:162  
L:2541 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:162  
L:2643 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:169  
L:2757 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:176  
L:2883 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:183  
L:3129 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:199  
L:3195 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:200  
L:3435 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:219  
L:3731 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:236  
L:3733 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:236  
L:3891 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:247  
L:3921 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:249  
L:3987 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:254  
L:4077 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:261  
L:4161 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:264  
L:4179 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:265  
L:4329 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:277  
L:4503 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:287  
L:4605 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:295  
L:4623 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:296  
L:4641 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:297  
L:4659 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:298  
L:4677 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:299  
L:4707 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:301  
L:4725 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:302  
L:4779 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:306  
L:4809 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:308  
L:4839 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:309  
L:4857 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:310  
L:4875 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:311  
L:4893 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:312

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L:4911 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:313

L:4929 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:314

L:4959 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:316